



State of New Hampshire
DEPARTMENT OF ENVIRONMENTAL SERVICES

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April 19, 2002

Robert Bean, Plant Engineer
Johnson and Johnston Associates, Inc.
130 Route 111
Hampstead, New Hampshire 03841

Subject: HAMPSTEAD –Johnson and Johnston Associates, Inc., 130 Route 111, Comments on the Additional Site Investigation Report, DES Site # 200001038

Dear Mr. Bean:

The New Hampshire Department of Environmental Services (Department) is in receipt of the Additional Site Investigation Report (ASI) prepared on behalf of Johnson and Johnston Associates, Inc., (JJA) by Cushing & Jammallo, Inc. The ASI was submitted in response to the Department's July 10, 2001 letter. The Department approved the work scope for the ASI on September 13, 2001.

Based on a review of the ASI, the Department has the following comments:

Groundwater at the site continues to exceed Ambient Groundwater Quality Standards (AGQS). The two new groundwater monitoring wells, CJ-5 and CJ-6, both exceed AGQS for chlorinated volatile organic compounds (CVOC's). Water supply wells #1 and #2 show a slight downward trend in the concentration of CVOCs while monitoring wells ATC-2, CJ-4S and CJ-4D show an upward trend in the CVOC concentrations.

Groundwater monitoring well ATC-2 has shown a significant increase in CVOC levels:

Sample ID	Date Sampled	1,1-Dichloroethene	1,1-Dichloroethane	1,1,1-Trichloroethane
ATC-2	11/23/99	58 parts per billion (ppb)	300 ppb	130 ppb
ATC-2	7/21/00	130 ppb	324 ppb	621 ppb
ATC-2	11/14/01	550 ppb	817 ppb	4,390 ppb

This increase would indicate a source continues to supply contaminate mass to the groundwater. In the Department's July 10, 2001 letter, we requested that JJA investigate the former catch basin as a source of contamination. The Department's letter stated that if the information is inconclusive, JJA would be required to characterize the soil within this area.

In the work scope submitted on August 28, 2001, JJA's consultant responded to this request by stating, "JJA and Cushing & Jammallo are of the opinion that this catch basin was not an active source for significant quantities of contaminant contribution to the subsurface environment during the period in which it operated." The Department requests the basis for this conclusion. If this conclusion is based on factual evidence (i.e. soil samples/soil vapor surveys) please submit this information. The Department's file contains analytical data from a soil sample collected during the installation of monitoring well ATC-2. This information is inconclusive based on the fact that the sample was a composite sample taken at a maximum depth of 7 feet below grade. Depending on the construction of the catch basin, this sample may have been collected from above the bottom of the catch basin. Therefore, the Department requests the following: